



## MATERIAL SAFETY DATA SHEET

### 1 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

#### 1.1. Product

Trade Name: BLUE 60 FOAM

1.2. Relevant Identified Uses of the Mixture and Uses Advised against: Product Use: Adhesive foam.

1.3. Details of the Supplier of the Safety Data Sheet:

Company : Blue60

14 Ryefield way, Kingswinford, west midlands, DY6 9XF

T: 01384 294369

In case of emergency call 01384 294369

Web : [www.Blue-60.com](http://www.Blue-60.com)

### 2 HAZARDS IDENTIFICATION

#### 2.1. Hazardous Nature



FLAMMABLE



WARNING



HARMFUL

Signal Word: *Danger*

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Contains isocyanates. See information chapter 15.

#### 2.2. Label Elements

Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)

##### 2.2.1. Hazard Statements

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer.

H373: May cause damage to organs through prolonged or repeated exposure.

##### 2.2.2. Precautionary Statements

###### 2.2.2.1. Prevention

P102-Keep out of reach of children.

P202-Do not handle until all safety precautions have been read and understood.

P210 - keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking

P211 - do not spray on open flame or other ignition sources

P251 - Do not inhale or burn even after use

P260-Do not breathe.

P271-Use only outdoors or in a well-ventilated area.

P270-Do not eat, drink or smoke when using this product.

P272-Contaminated work clothing should not be allowed out of the workplace.

P264-Wash hands thoroughly after handling.

P284-in case of inadequate ventilation wear respiratory protection.

P280-Wear protective gloves/eye protection/face protection.

### 2.2.2.2. Response

P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310-Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313-If eye irritation persists: Get medical advice/attention.

P302+P352-IF ON SKIN: Gently wash with plenty of soap and water.

P333+P313-If skin irritation or rash occurs: Get medical advice/attention.

P363-Wash contaminated clothing before reuse.

P308+P313-IF exposed or concerned: Get medical advice/attention.

### 2.2.2.3. Disposal

P501-Dispose of contents/container through a waste management company authorized by the local government.

### 2.2.2.4. Storage

P403+P233-Store in a well-ventilated place. Keep container tightly closed.

P405-Store locked up.

## 2.3. Other Hazards

### 2.3.1. Physical Hazards

Flammable liquids Category 2

H223-Flammable material

### 2.3.2. Health Hazards

Acute toxicity (Inhalation) Category 2

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Respiratory sensitization Category 1

Skin sensitization Category 1

Specific target organ toxicity

### 2.3.3. Environmental Hazards

Not applicable.

## 2.4. Information Concerning Particular Hazards for Human and Environment

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

## 2.5. Additional Informations

Please look over section 11 for toxicological information. Full text of H- and EUH- phrases: See section 16.

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## COMPOSITION / INFORMATION ON INGREDIENTS

**Description:** Mixture of substances listed below with nonhazardous additions

Ingredients	CAS NO	EC NO.	CONC. %	Classification (EC) No 1272/2008 (CLP/GHS)
Diphenylmethane Diisocyanate isomeres homologues	9016-87-9	----	25-35%	H315, H317, H319,H332, H334 H335, H373, H351
Butane	106-97-8	203-448-7	2.5-10%	H220
Dimethyl ether	115-10-6	200-662-2	2.5-10%	H220
Propane	74-98-6	200-827-9	2.5-10%	H220
Phosphorous based (Flame retardant)	13674-84-5	237-158-7	5-30%	H302

# 4

## FIRST AID MEASURES

### General Advice:

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed

**4.2 After inhalation:** Remove person to fresh air. If signs/symptoms persist, get medical attention.

**4.3 After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**4.4 After eye contact:** Flush eyes with large amounts of water. Get medical attention.

**4.5 After swallowing:** Do not induce vomiting.

**5.1 Protective equipment:** Mount respiratory protective device and wear protective equipment.

**5.2 Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**5.3 For safety reasons unsuitable extinguishing agents:** Water with full jet.

**6.1 Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**6.2 Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

**6.3 Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

### 7.1 Handling

**7.1.1 Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.

**7.1.2 Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights.

Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material. Keep away from sources of ignition.

### 7.2 Storage

**7.2.1 Requirements to be met by storerooms and receptacles:**

Store in a cool location. Observe official regulations on storing packaging with pressurized containers.

**7.2.2 Information about storage in one common storage facility:**

Not required.

**7.2.3 Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed receptacles.

### 8.1. Control Parameters:

106-97-8 butane

OES : Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

74-98-6 propane

OES : Asphyxiate

**115-10-6 dimethyl ether**

OES : Short-term value: 958 mg/m<sup>3</sup>, 500 ppm Long-term value: 766 mg/m<sup>3</sup>, 400 ppm IOELV

**9016-87-9 diphenylmethanediisocyanate, isomers and homologues**

MEL : Short-term value: 0.07 mg/m<sup>3</sup> Long-term value: 0.02 mg/m<sup>3</sup>

### 8.2 Personal protective equipment

**8.2.1 General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**8.2.2 Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**8.2.3 Protection of hands:** The glove material has to be impermeable and resistant to the product / substance

Protective gloves

Material of gloves

Nitrile rubber, NBR Recommended thickness of the material: ≥ 0.4 mm Butyl rubber, BR Recommended thickness of the material: ≥ 0.7 mm ·

**Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

**9.1 General information**

**Form :** Aerosol

**Odour :** Characteristic

**9.2 Important health, safety and environmental information**

**Boiling Range :** Not applicable, as aerosol

**Flash Point :** not applicable to aerosol

**Self-igniting :** Product is not self-ignite.

**pH :**Not Applicable

**Specific Gravity:** 22 ± 3 Kg/ cm<sup>3</sup>

**Vapour pressure:** 5 Bar/+20° C

**Melting point :**No Data Available

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures is possible.

**Solubility in / Miscibility with water :** Not miscible or difficult to mix.VOC: 19%

**10.1. Reactivity:** No data available.

**10.2. Chemical Stability:** The product is chemically stable under normal usage conditions.

**10.3. Possibility of Hazardous Reactions:** No hazardous reactions known.

**10.4. Conditions to Avoid:** Heat, flames and sparks.

**10.5. Incompatible Materials:** Strong oxidizing agents, acids, amines, bases.

**10.6. Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, smoke.

**11.1 Toxicity**

**11.1.1 Primary irritant effect:** No data available

**11.1.2 On the skin:** Irritant to skin and mucous membranes.

**11.1.3 On the eye:** Irritating effect.

**11.1.4 Sensitization:** Sensitization possible through inhalation. Sensitization possible through skin contact.

Chemical Name LD50 Oral LD50 Dermal LC50 Inhalation

Methylene bisphenyl 9200 mg/kg ( Rat )

isocyanate (MDI)

Propane 658 mg/kg ( Rat )

Dimethyl ether

308 g/ m<sup>3</sup> ( Rat ) 4 h

**12.1. Toxicity:**

**12.2 General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

**Effect on the ozone layer:** Not dangerous for the ozone layer

**Greenhouse effect:** No data available.

**Effect on waste water purification :** No data available

**12.3. Bioaccumulative Potential:** No data available.

**12.4. Mobility in Soil:** No data available.

**12.5. Results of PBT and vPvB Assessment:** No data available.

**12.6. Other Adverse Effects:** No data available.

**13.1. Waste Treatment Methods**

**Product:** Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**Contaminated packaging:** Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14.1. UN Number:**

ADR/RID: 1950

IMDG: 1950

IATA: 1950

**14.2. Proper UN Shipping Name:**

ADR/RID : AEROSOLS, FLAMMABLE

IMDG : AEROSOLS, FLAMMABLE

IATA : AEROSOLS, FLAMMABLE

**14.3. Transport Hazard Class(es):**

ADR/RID: 2.1

IMDG: 2.1

IATA: 2.1

**14.4. Packing Group:** Not applicable.**14.5. Environmental Hazard:** No**14.6. Special Precautions for User:** IMDG-EmS Number : F-D, S-U**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.**15.1. Safety, Health and Environmental Regulations Specific for the Preparations**

Regulation (EC) No 1907/2006, (REACH)

Regulation (EC) No 1272/2008, (CLP)

Aerosol Dispensers Directive 75/324/EEC, (ADD)

ADR-European Agreement Concerning the International Carriage of Dangerous Goods by Road

**16.1. Indication of Changes to the Previous Version****Date Prepared:** 02.12.2014**Revision Date:** 16.04.2015**Revision No:** 2.5**16.2. Abbreviations and Acronyms****CLP:** Classification, labelling and packaging.**GHS:** Globally harmonized system of classification and labelling of chemicals.**ADR:** European agreement concerning the Int. carriage of dangerous goods by road.**IATA:** International air transport association.**ICAO:** International civil aviation organization.**IMDG:** International maritime code for dangerous goods.**PBT:** Persistent, bioaccumulative and toxic according to 1907/2006/EC, Annex XIII.**vPvB:** Very persistent and very bioaccumulative according to 1907/2006/EC, Annex XIII.**OEL:** Occupational exposure limit.**CAS No:** Chemical abstract service index number.**EC50:** Half maximal effective concentration**LC50:** Median lethal concentration.**LD50:** Median lethal dose.**H220:** Extremely flammable gas.**H222:** Extremely flammable aerosol.**H229:** Pressurized container: may burst if heated.**H280:** Contains gas under pressure; may explode if heated.**H302:** Harmful if swallowed.**EUH204:** Contains isocyanates. May produce an allergic reaction.**16.3. Special Information of Certain Preparations****Contains Diphenylmethanediisocyanate Isomers Homologues**

Contains isocyanates. Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation

**16.4. Further Information**

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical

**Department issuing SDS:** Product safety department.**Contact:** Product safety.